

ABSTRACT

The transmission of unnecessary assignment and validation information to mobile terminals in wireless IP networks is automatically blocked. Assignment and validation information originating with a mobile terminal is discarded by a base station if the information is not directly received by the base station from a mobile terminal. Assignment and validation information originating with an IP address server is broadcast only to those mobile terminals awaiting assignment or validation information using a local broadcast IP address. The validation and assignment is automatically begun once a mobile terminal enters a new subnet by resetting the mobile terminal's IP address to the broadcast address for assignment and validation requests and then broadcasting validation and, if necessary, assignment requests to the wireless IP network.